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ASUS H81-PLUS (90MB0GJ0-M0EAY0)

Intel LGA 1150, i7/ i5/ i3/ Pentium/ Celeron, Intel H81, 2 x DIMM, 16GB DDR3 1600/1333/1066 MHz Non-ECC, Un-buffered, 2 x PCIe 2.0 x 1, 1 x PCIe x16, 3 x PCI, 2 x SATA 6Gb/s, 2 x SATA 3Gb/s, Gigabit Ethernet, ATX

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Price details:

Price excl. VAT: 65.76 €
Eco fees: 0.00 €
VAT 21 %: 13.81 €

Product details:

Product code: 90MB0GJ0-M0EAY0
EAN: 4716659557920
Manufacturer: ASUS

79.57 €

* VAT included

ASUS 5X Protection

All-round protection provides the best quality, reliability, and durability:
ASUS motherboards guard your PC with 5X Protection. We use quality components like DIGI+ VRM digital power design for precise CPU power on demand, ESD units tested to strict standards that eliminate electrostatic interference, and resettable fuses around DRAM slots to prevent overcurrent and short-circuit damage. We also use corrosion-resistant back I/O shields, all examples of ASUS providing the best possible reliability and durability.

New UEFI BIOS

- New UEFI BIOS - friendlier and more intuitive
Exclusive EZ Mode adds useful info to become even easier:
Media-renowned UEFI BIOS from ASUS provides the smoothest mouse-controlled graphical BIOS, and now features more intuitive functions to quickly take you to favorite BIOS pages and frequently-accessed settings through custom shortcuts. You can even write quick notes in-BIOS for future reference, view an activity log of setting changes and modifications, and rename SATA ports. EZ Mode has a whole new look, upgraded with extra-friendly capabilities like detailed fan controls, XMP profile settings, SATA information, and fast clock adjustment. Together, these perfect your BIOS experience.

Performance Optimization

- USB 3.0 Boost (UASP Support):
170% faster transfer speeds than traditional USB 3.0:
ASUS USB 3.0 Boost technology supports UASP (USB Attached SCSI Protocol) in Windows 8. With USB 3.0 Boost technology, a USB device's transmission speed is significantly increased up to 170%, adding to already fast USB 3.0 performance. ASUS software automatically accelerates data rates for compatible USB 3.0 peripherals without any user interaction.
- World's 1st USB 3.0 UASP support - instantly 170% faster.
- Complete USB 3.0 solution - performance boost under Turbo Mode or UASP Mode for most USB devices.
- Simple plug and boost - auto detection design ensures best performance.

- GPU Boost
Go to the limit with iGPU level up:
GPU Boost accelerates the integrated GPU for extreme graphics performance. The user-friendly interface facilitates flexible frequency adjustments. It easily delivers stable system-wide upgrades for every use.

- Network iControl
Real-time network bandwidth management:
One click to prioritize network traffic for applications you're currently using or set up favorite profiles to run at specific times. Avoid network congestion, speed up downloading, and make sure online gaming runs optimized, all through an intuitive user interface.

- USB 3.0 integration

Double USB access, double the convenience:
ASUS facilitates USB 3.0 accessibility for rear panel. Experience the latest plug n play connectivity at speeds up to 10 times faster than USB 2.0. Our motherboards afford greater convenience with high speed connectivity.

- SATA 6.0 Gb/s
Twice the speed:
ASUS provides SATA 6.0 Gb/s ports with enhanced scalability, faster data retrieval, and double the bandwidth of SATA 3Gb/s.

EZ DIY

- Q-Slot
Effortless PCI Express component removal:
Press the Q-Slot clip lightly, and graphics cards just pop out. The large winged clip is easy to reach so you don't have to struggle with installing or removing even the biggest graphics cards.

Windows 8 Exclusive Features

ASUS Boot Setting:
- Multiple startup options
Thanks to ASUS Windows 8 hardware optimization, ASUS Boot Setting provides better flexibility in customizing your PC's startup process. You can shorten system boot-up time to 2-seconds* for a smoother user experience under Windows 8, and even previous versions of Windows. Also, you can enter the BIOS directly with one click through a user-friendly interface, and quickly select your preferred system boot up method: either get to the OS in seconds or opt for regular boot up. Whatever your choice, settings are saved and persistent, with no need to choose every time you power on.

Probe II Sense:
- Handy system monitoring
Popular ASUS real-time system monitoring software now available for Windows 8. It helps you supervise your entire PC through a live tile on the Windows 8 start screen, and make quick adjustments. Probe II Sense is a free app available from the Windows Store.

Additional Features

- AI Suite 3
One-stop access to innovative ASUS features:
ASUS AI Suite 3 offers a brand new user experience through a clearer and more attractive interface with support for larger monitors. It consolidates all exclusive ASUS features into one simple-to-use package, allowing you to supervise overclocking, energy consumption, fan speeds, voltages and more. This all-in-one app offers diverse and easy to use functionality, with no need to switch back and forth between different utilities.

- EPU
All-round energy efficiency:
Tap into the world's first real-time PC power saving chip through the AI Suite 3 utility. Get total system-wide energy optimization by automatically detecting current PC loadings and intelligently moderating power consumption. It can directly reduce CPU wattage to an indicated level on demand and manually switch to Max Power Saving Mode for further energy savings, creating a more efficient PC. Exclusive Away Mode* puts your system into an extreme energy-saving stance, and even shuts down unused add-on I/O ports while can continue to download, stream, and backup content while away from your PC.

- Fan Xpert
Dedicated CPU and case fan controls:
ASUS Fan Xpert intelligently allows you to adjust CPU and case fan speeds according to different ambient temperatures in diverse climate conditions and locations, as well as actual PC loading. Various preset fan performance profiles offer flexible fan speed controls to achieve a quiet and cool environment.

- CrashFree BIOS 3
Restore corrupted BIOS data from USB storage:
ASUS CrashFree BIOS 3 allows users to restore corrupted BIOS data from a USB flash drive or support CD containing a BIOS file. This utility saves you the cost and hassle of buying a replacement BIOS chip.

- EZ Flash 2
Easy BIOS updates from USB outside the OS:
Quickly update your BIOS from a USB flash drive before entering the OS. It only takes a few clicks, with no floppy disk or an OS-based flash utility.

CPU and Chipset Features

- Intel LGA1150 4th Generation Core i7/Core i5/Core i3/Pentium/Celeron Processors Ready
This motherboard supports Intel 4th generation Core i7/i5/i3/Pentium/Celeron processors in the LGA1150 package, with iGPU, memory and PCI Express controllers integrated to support onboard graphics output with dedicated chipsets, 2-channel (2 DIMM) DDR3 memory and 16 PCI Express lanes. This provides great graphics performance. Intel 4th generation Core i7/i5/i3/Pentium/Celeron processors are among the most powerful and energy efficient CPUs in the world.

- Intel H81 Express Chipset
The Intel H81 Express chipset is a single-chipset design that supports socket LGA1150 4th generation Intel Core i7/i5/i3/Pentium/Celeron processors. It provides improved performance by utilizing serial point-to-point links, allowing increased bandwidth and stability. It natively supports up to two USB 3.0 ports for up to ten times faster transfer rates than USB 2.0. Moreover, the Intel H81 Express chipset also supports iGPU functionality, letting users enjoy the latest Intel integrated graphics performance.

- Intel Smart Connect Technology
Auto application refresh and shorter wait times:
Your computer can receive web updates with fresh content for selected applications, even when the system is in sleep mode. This means less time waiting for applications to update and sync with the cloud, leading to a more efficient computing experience.

- Intel Rapid Start Technology
Instantly awaken your PC from sleep mode:
Allows your computer to quickly resume from a low-power hibernate state in seconds. Saving your system memory to the designated SSD, it provides your computer a faster wake-up response time, while still keeping energy use low.

GreenASUS

Motherboards are EU Energy-related Products (ErP) ready, which requires products meet high efficiency standards with regards to energy consumption. This is in line with the ASUS vision of creating environmentally-friendly and energy-efficient products through design and innovation that reduce the carbon footprint of products and thus mitigate ecological impact.

Main specifications:

Memory

Supported memory types:	DDR3-SDRAM
Memory slots type:	DIMM
Memory channels:	Dual
Non-ECC:	Y
Supported memory clock speeds:	1066, 1333, 1666 MHz
Maximum internal memory:	16 GB
Unbuffered memory:	Y
Memory slots:	2

Processor

Processor family:	Intel
Compatible processor series:	Celeron, Core i3, Core i5, Core i7, Pentium
Processor socket:	Socket H3 (LGA 1150)

Internal I/O

USB 2.0 connectors:	3
Supported hard disk drive interfaces:	Serial ATA II, Serial ATA III
Number of SATA connectors:	4
S/PDIF out connector:	Y
CPU fan connector:	Y
ATX Power connector (24-pin):	Y
Number of EATX power connectors:	1
Chassis intrusion connector:	Y
Number of chassis fan connectors:	1
Front panel audio connector:	Y
Peripheral (Molex) power connectors (4-pin):	1
Number of SATA II connectors:	2
Number of SATA III connectors:	2

Back panel I/O ports

USB 2.0 ports quantity:	2

USB 3.0 ports quantity:	2
Ethernet LAN (RJ-45) ports:	1
Parallel ports quantity:	1
PS/2 ports quantity:	2
Headphone outputs:	1
Microphone in:	Y
VGA (D-Sub) ports quantity:	1
COM ports quantity:	1

Networking

Ethernet LAN:	Y
LAN controller:	Realtek RTL8111G
Ethernet interface type:	Gigabit

Performance

Component for:	PC
Motherboard chipset family:	Intel
Motherboard chipset:	Intel H81
Motherboard form factor:	ATX
Audio output channels:	7.1
Audio system:	Realtek ALC887
Intel Clear Video HD Technology:	Y
Windows operating systems supported:	Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64

Graphics

Maximum graphics adapter memory:	1024 MB
Parallel processing technology support:	N
Maximum resolution:	1920 x 1200 pixels
Discrete graphics support:	Y

Expansion slots

PCI Express x1 (Gen 2.x) slots:	2
PCI Express x16 (Gen 2.x) slots:	1
PCI slots:	3

BIOS

BIOS type:	UEFI AMI
BIOS memory size:	64 MB
ACPI version:	2.0a
Clear CMOS jumper:	Y

Weight & dimensions

Width:	305 mm
Depth:	188 mm

Packaging content

Cables included:	SATA
Drivers included:	Y

*PLEASE NOTE: Every effort has been made to ensure the accuracy of all information contained herein. Lasystems makes no warranty expressed or implied with respect to accuracy of the information, including price, editorials or specifications. Lasystems or its suppliers shall not be liable for incidental, consequential or special damages arising from, or as a result of, any electronic transmission or the accuracy of the information contained herin, even if Lasystems has been advised of the possibility of such damages. Product and manufacturer names are used only for the purpose of identification.